FORM PTO-1390 (Modified)
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE
(REV 12-2004)

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371	ATTORNEY'S DOCKET NUMBER 016906-0507
	U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) 10/577,436

INTERNATIONAL APPLICATION NO. PCT/EP2004/010516	INTERNATIONAL FILING DATE 09/20/2004	PRIORITY DATE CLAIMED 10/28/2003

TITLE OF INVENTION
FLOW CHANNEL FOR A HEAT EXCHANGER, AND HEAT EXCHANGER COMPRISING SUCH FLOW CHANNELS

APPLICANT(S) FOR DO/EO/US
Peter GESKES; Rainer LUTZ; Ulrich MAUCHER; Martin SCHINDLER and Michael SCHMIDT

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☐ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.

2. ☒ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.

3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.

4. ☐ The US has been elected (Article 31).

5. ☐ A copy of the International Application as filed (35 U.S.C. 371(c)(2))

    ☐ is attached hereto (required only if not communicated by the International Bureau).

    ☐ has been communicated by the International Bureau.

    ☐ is not required, as the application was filed in the United States Receiving Office (RO/US)

6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
    ☐ is attached hereto.
    ☐ has been previously submitted under 35 U.S.C. 154(d)(4).

7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
    ☐ are attached hereto (required only if not transmitted by the International Bureau).
    ☐ have been communicated by the International Bureau.
    ☐ have not been made; however, the time limit for making such amendments has NOT expired.
    ☐ have not been made and will not be made.

8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).

9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).

10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern other document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.

12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.

13. ☐ A preliminary amendment.

14. ☐ An Application Data Sheet under 37 CFR 1.76.

15. ☐ A substitute specification.

16. ☐ A power of attorney and/or change of address letter.

17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825

18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).

19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

20. ☒ Other items or information: Power of Attorney, Executed Declaration, Statement under 37 CFR 3.73(b), and copy of Assignment

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U.S. APPLICATION NO. (If known, see 37 CFR. 1.5)	INTERNATIONAL APPLICATION NO.	ATTORNEY'S DOCKET NUMBER
10/577,436	PCT/EP2004/010516	016906-0507

The following fees have been submitted:

21. ☐ Basic national fee		$300	$	0.00
22. ☐ Examination fee				
If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)		$100	$	0.00
All other situations		$200		
23. ☐ Search fee				
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority		$100		
International Search Report prepared and provided to the Office		$400		
All other situations		$500	$	0.00
TOTAL OF ABOVE 21, 22 and 23 =			$	0.00

☐ Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is $ for each additional 50 sheets of paper or fraction thereof.

Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
43 - 100 =	0 /50 =	0	x $250.00	$	0.00

Surcharge of $130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e))		$	0.00

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	$	
Total Claims	48 - 20 =	28	x $ 50.00	$	0.00
Independent Claims	1 - 3 =	0	x $ 200.00	$	0.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ $ 360.00	$	
TOTAL OF ABOVE CALCULATIONS =				$	0.00
☐ Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.			+	$	0.00
SUBTOTAL =				$	0.00

Processing fee of 130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).	$

TOTAL NATIONAL FEE =	$	0.00

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). 40.00 per property	$

TOTAL FEES ENCLOSED =	$	0.00

	Amount to be refunded:	
	charged:	

a. ☐ A check in the amount of _____ to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. 19-0741 in the amount of _____ to cover the above fees. A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 19-0741. A duplicate copy of this sheet is enclosed.

d. ☐ Fees are to be charge to a credit card. **WARNING: Information on this form may become public. Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Foley & Lardner LLP
Customer Number: 22428

SIGNATURE

Richard L. Schwaab
NAME

25,479
REGISTRATION NUMBER